

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030124\
 Data File : VY017554.D
 Acq On : 01 Mar 2024 16:37
 Operator : SY/MD
 Sample : P1620-31
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

Quant Time: Mar 02 00:20:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	2848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	3167	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	1330	49.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.560%
35) Dibromofluoromethane	7.722	113	1497	53.215	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.440%
50) Toluene-d8	10.185	98	4665	47.429	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.860%
62) 4-Bromofluorobenzene	12.495	95	840	27.175	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.340%

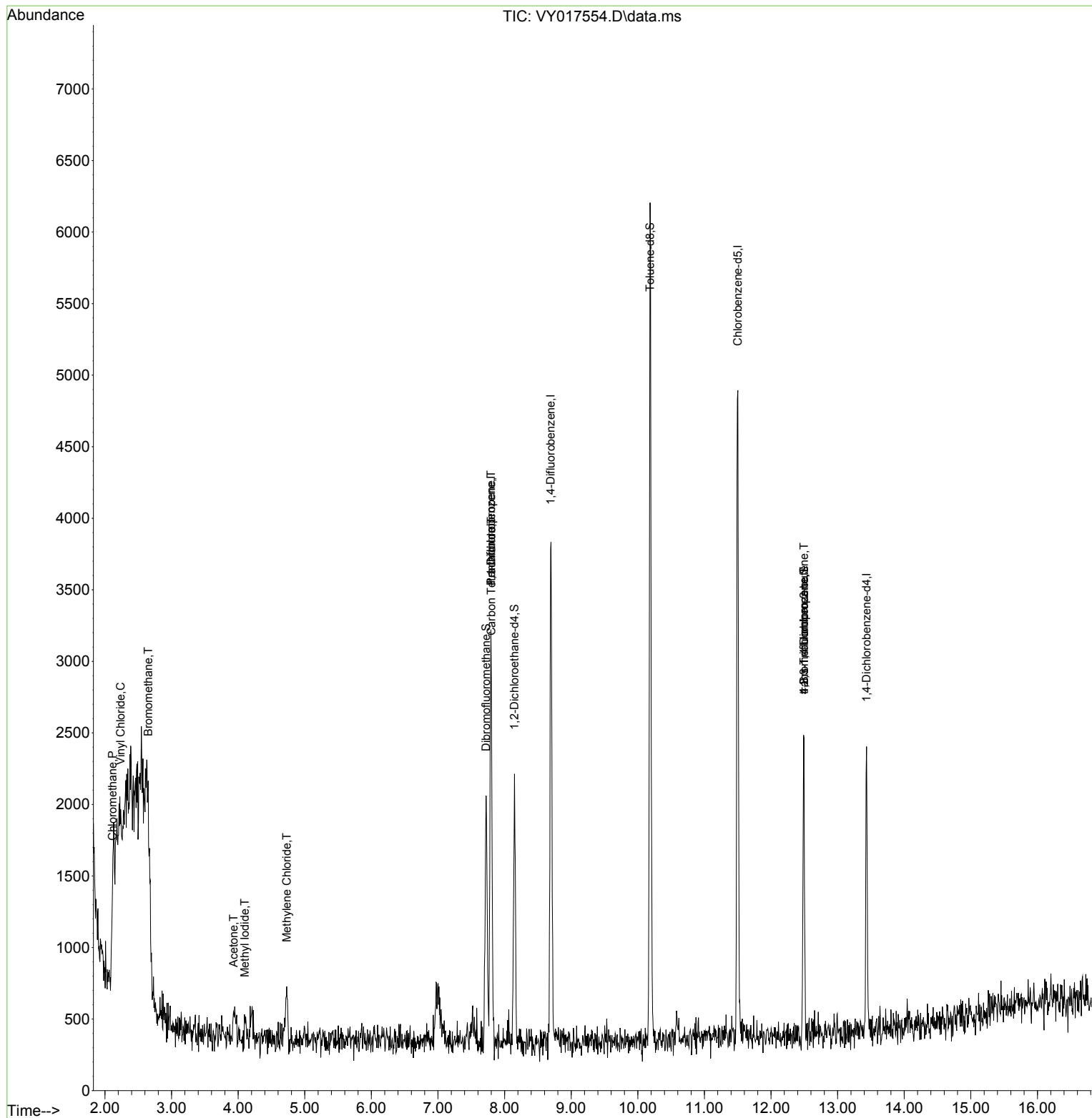
Target Compounds						Qvalue
3) Chloromethane	2.113	50	70	1.824	ug/l #	43
4) Vinyl Chloride	2.235	62	66	1.340	ug/l #	42
5) Bromomethane	2.650	94	100	2.492	ug/l #	3
10) Methyl Iodide	4.101	142	205	6.327	ug/l #	42
16) Acetone	3.930	43	166	31.708	ug/l #	36
20) Methylene Chloride	4.729	84	263	3.451	ug/l #	75
36) 1,1-Dichloropropene	7.795	75	159	4.189	ug/l #	40
38) Carbon Tetrachloride	7.801	117	177	4.653	ug/l #	13
76) 1,2,3-Trichloropropane	12.495	75	407	62.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	407	144.108	ug/l #	16

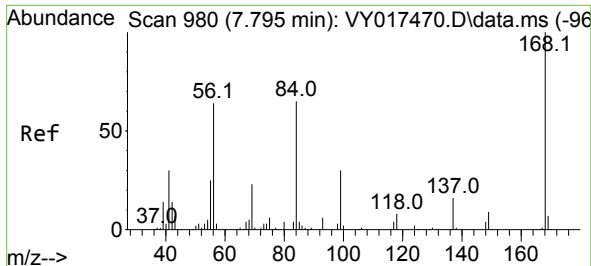
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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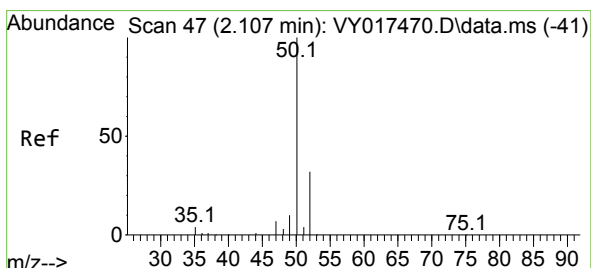
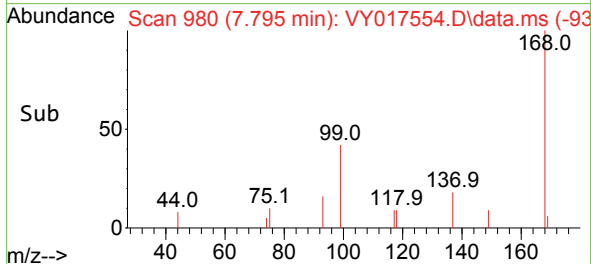
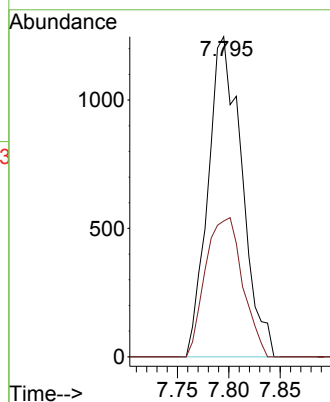
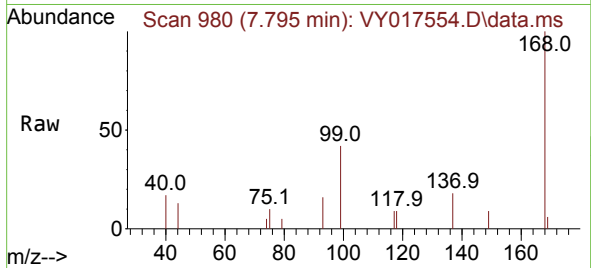




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

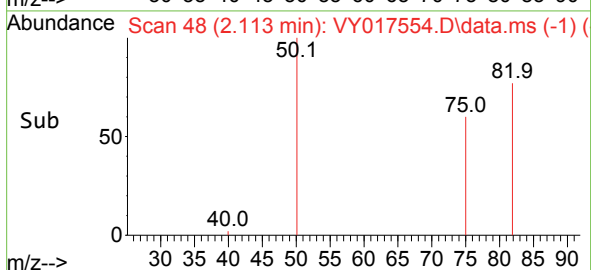
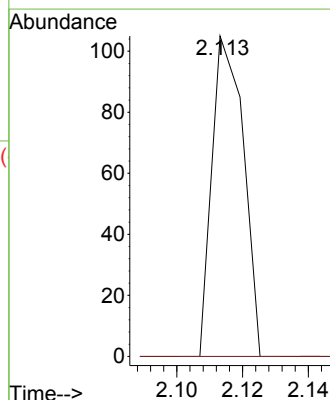
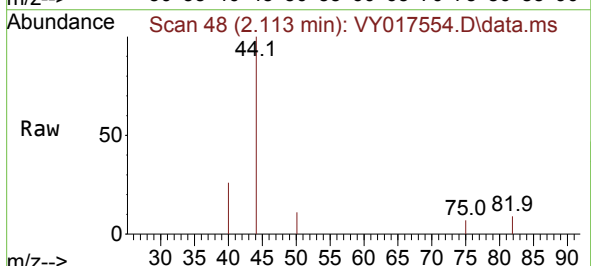
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

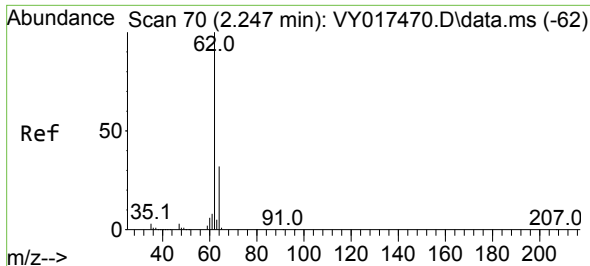
Tgt Ion:168 Resp: 2848
Ion Ratio Lower Upper
168 100
99 42.4 39.1 58.7



#3
Chloromethane
Concen: 1.824 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Tgt Ion: 50 Resp: 70
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

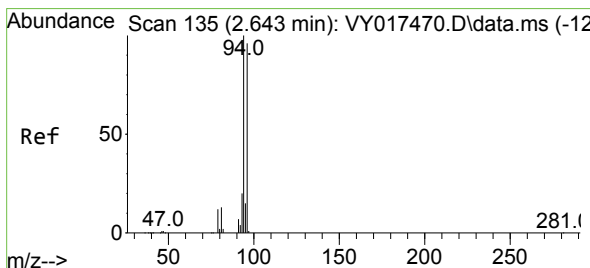
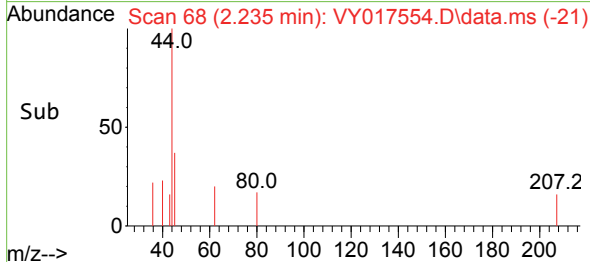
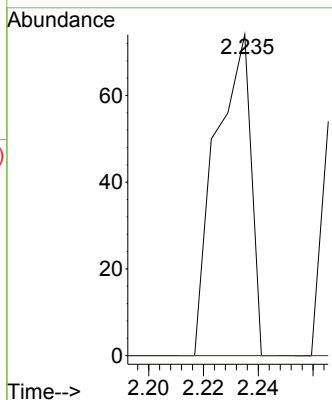
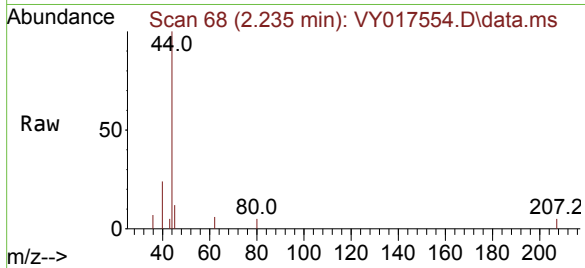




#4
 Vinyl Chloride
 Concen: 1.340 ug/l
 RT: 2.235 min Scan# 61
 Delta R.T. -0.012 min
 Lab File: VY017554.D
 Acq: 01 Mar 2024 16:37

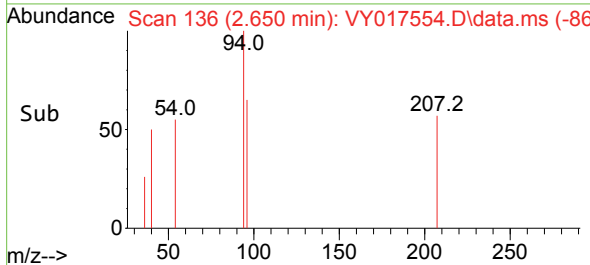
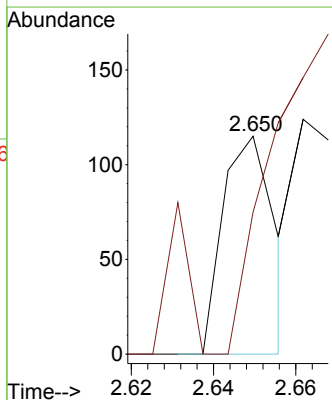
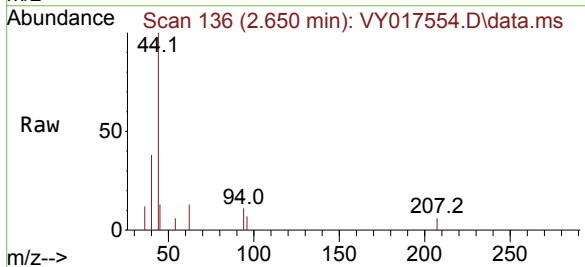
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

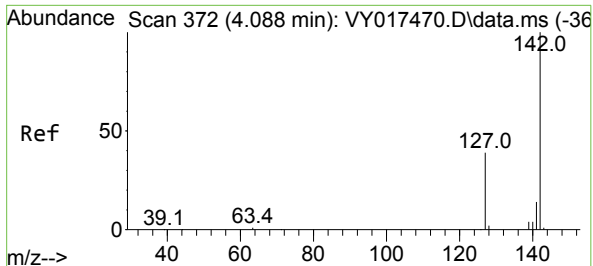
Tgt Ion: 62 Resp: 66
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#5
 Bromomethane
 Concen: 2.492 ug/l
 RT: 2.650 min Scan# 136
 Delta R.T. 0.006 min
 Lab File: VY017554.D
 Acq: 01 Mar 2024 16:37

Tgt Ion: 94 Resp: 100
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.1 111.1#

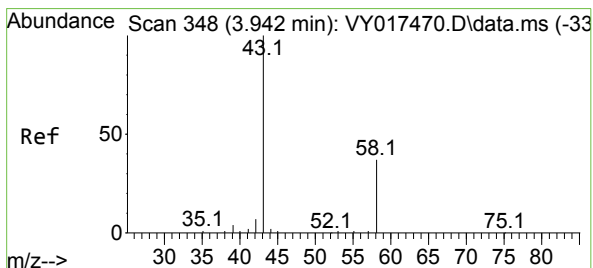
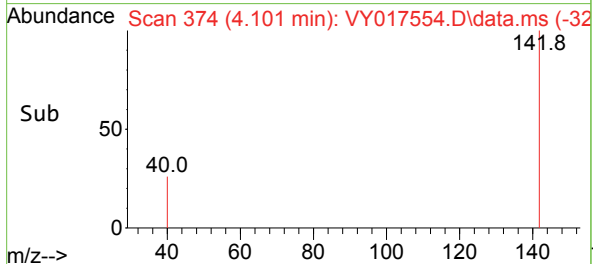
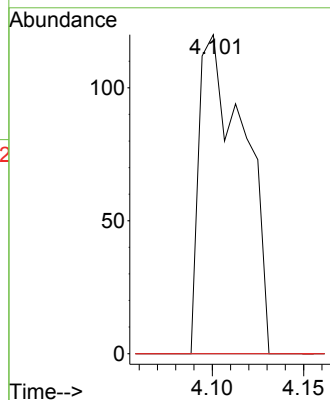
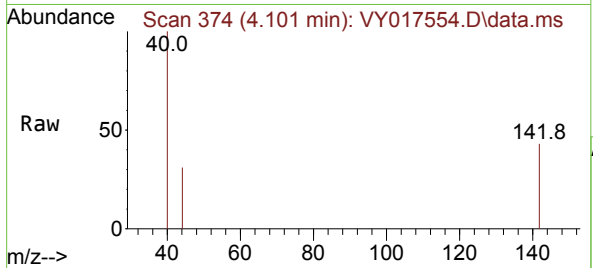




#10
Methyl Iodide
Concen: 6.327 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

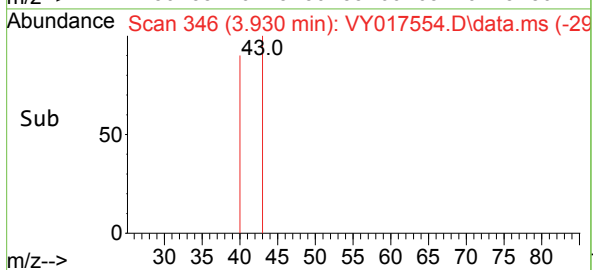
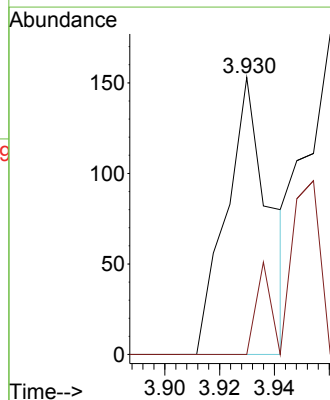
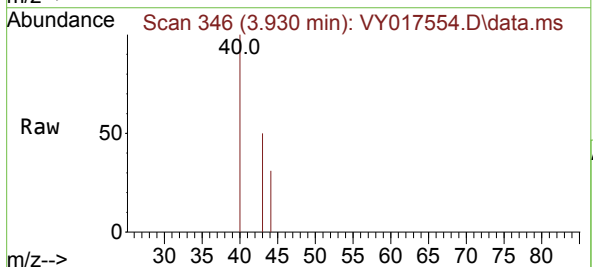
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

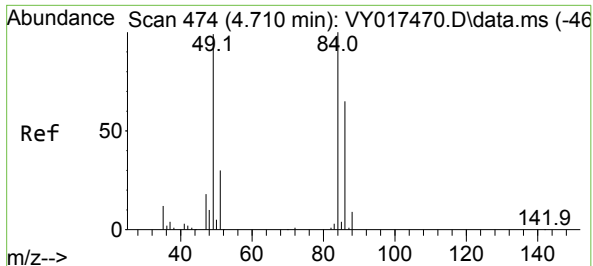
Tgt Ion:142 Resp: 205
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 31.708 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.012 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

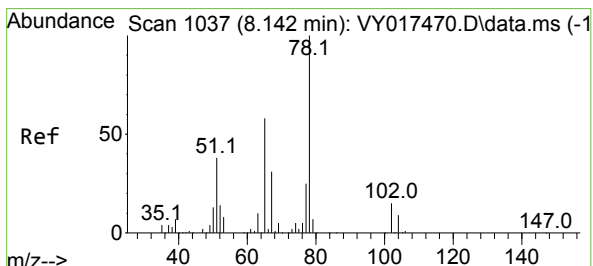
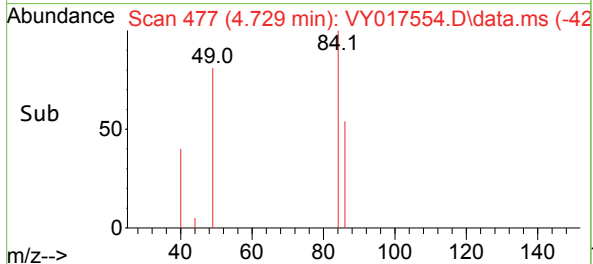
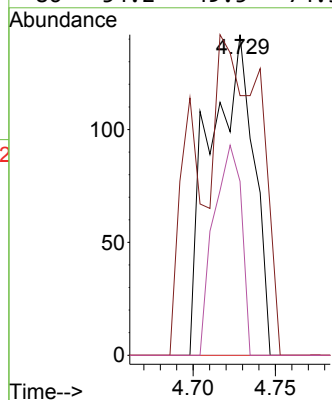
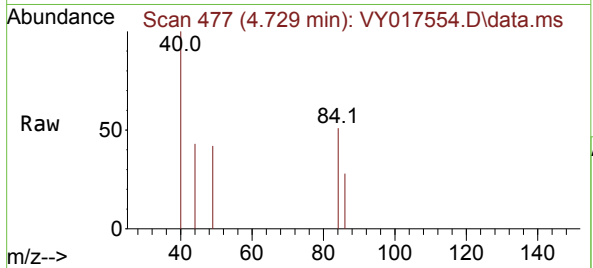




#20
Methylene Chloride
Concen: 3.451 ug/l
RT: 4.729 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

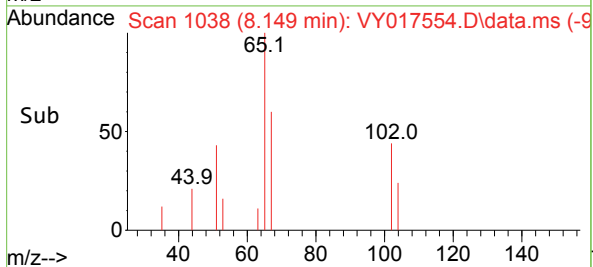
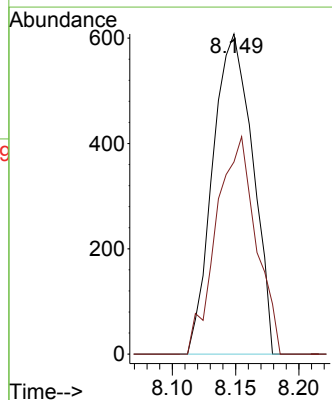
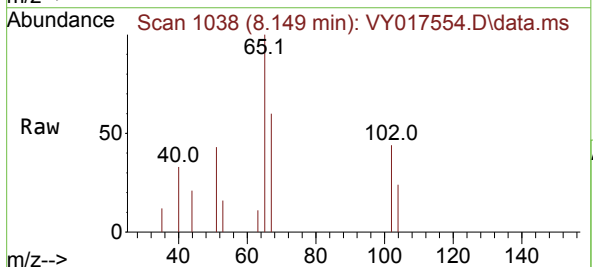
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

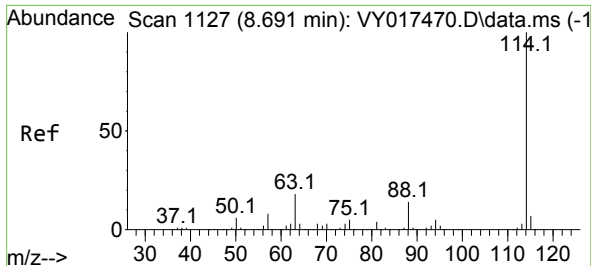
Tgt Ion: 84 Resp: 263
Ion Ratio Lower Upper
84 100
49 81.0 84.4 126.6#
51 0.0 26.0 39.0#
86 54.2 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 49.275 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Tgt Ion: 65 Resp: 1330
Ion Ratio Lower Upper
65 100
67 68.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017554.D

Acq: 01 Mar 2024 16:37

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

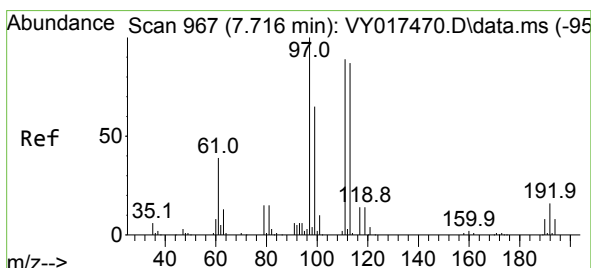
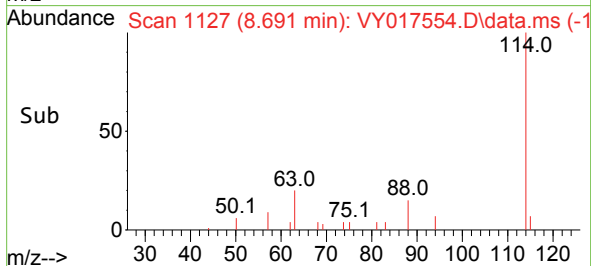
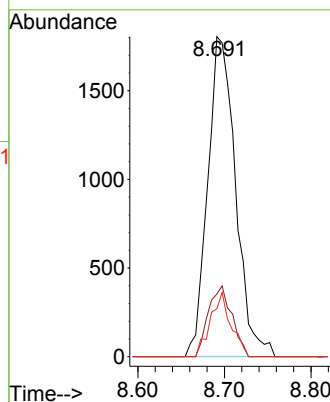
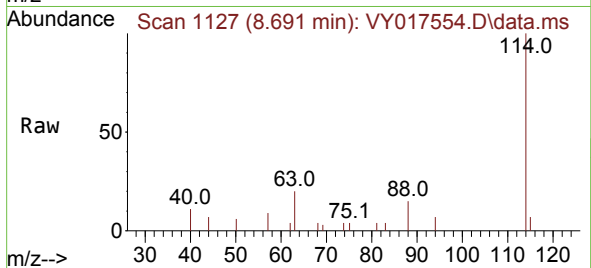
Tgt Ion:114 Resp: 4037

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.0

88 15.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.215 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017554.D

Acq: 01 Mar 2024 16:37

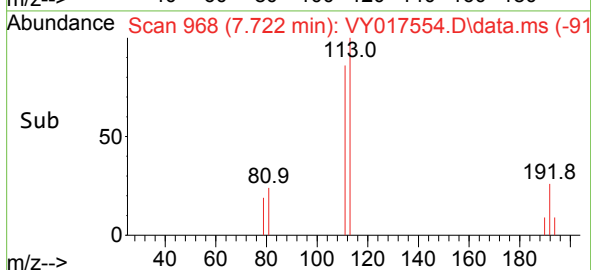
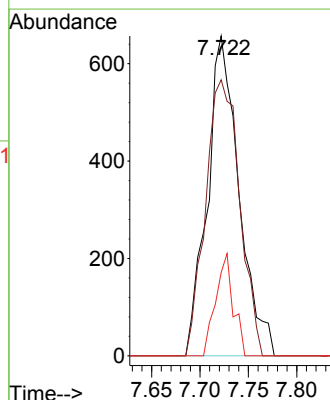
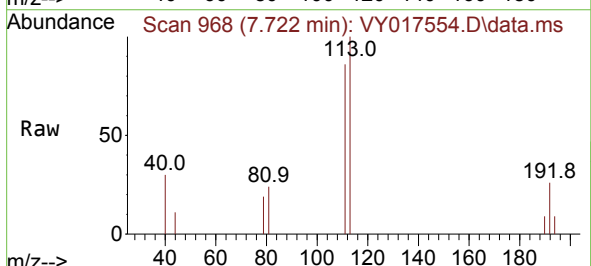
Tgt Ion:113 Resp: 1497

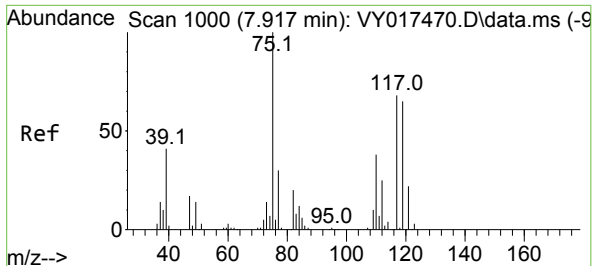
Ion Ratio Lower Upper

113 100

111 92.9 82.2 123.4

192 17.6 15.9 23.9

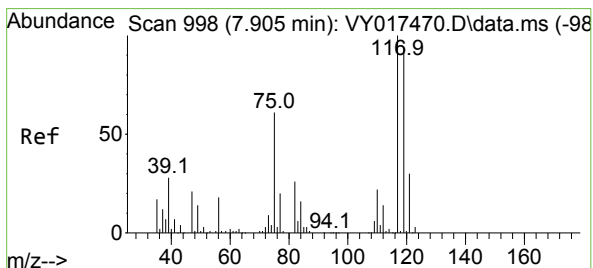
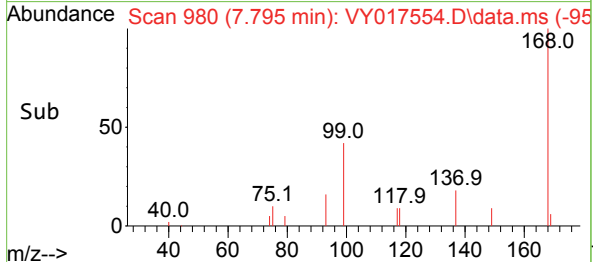
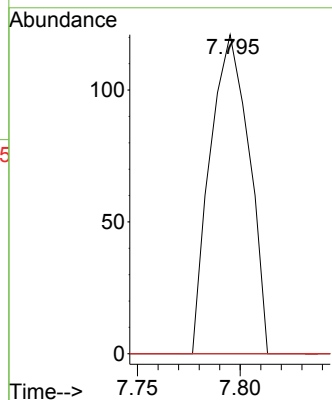
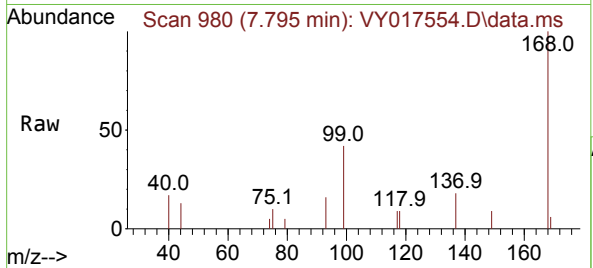




#36
1,1-Dichloropropene
Concen: 4.189 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

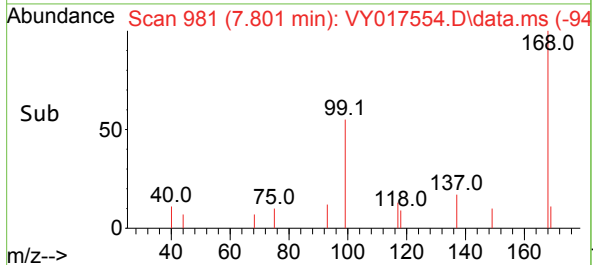
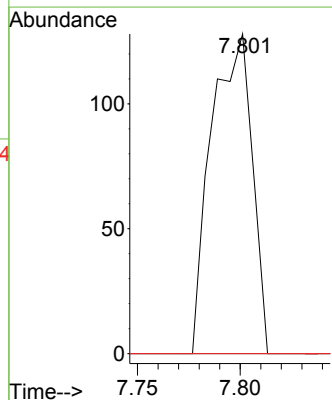
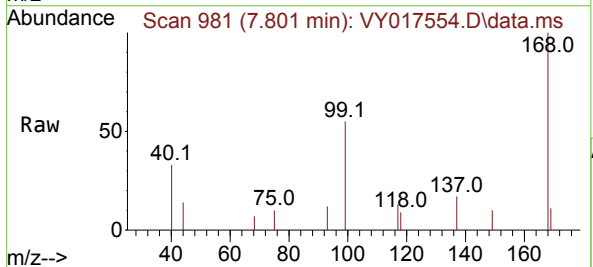
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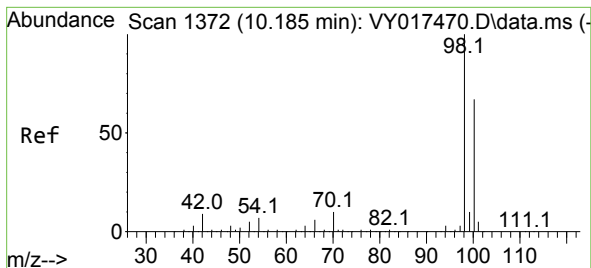
Tgt Ion: 75 Resp: 159
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.653 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Tgt Ion: 117 Resp: 177
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

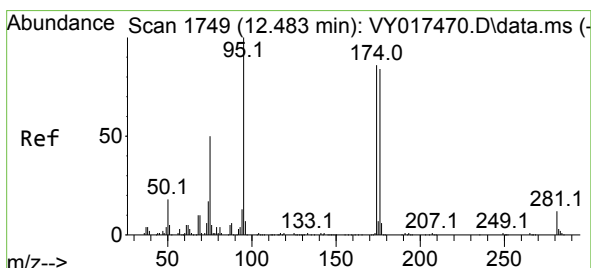
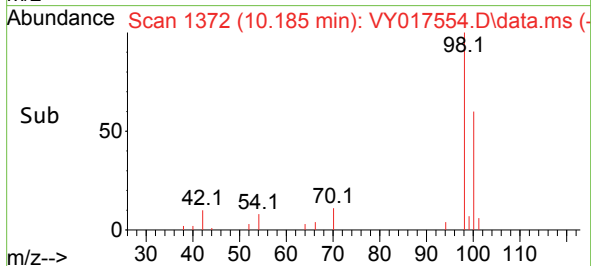
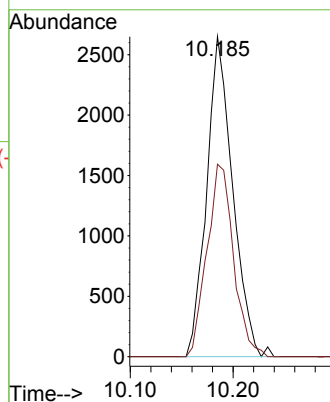
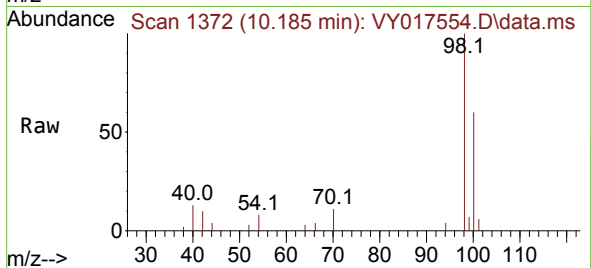




#50
Toluene-d8
Concen: 47.429 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

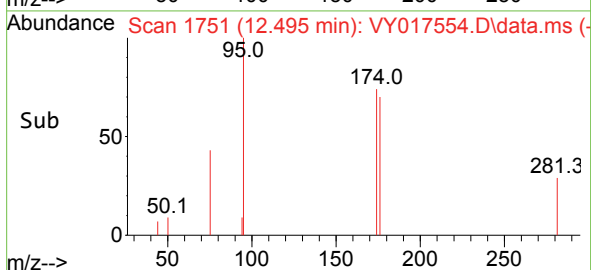
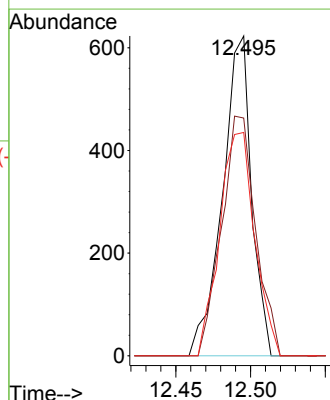
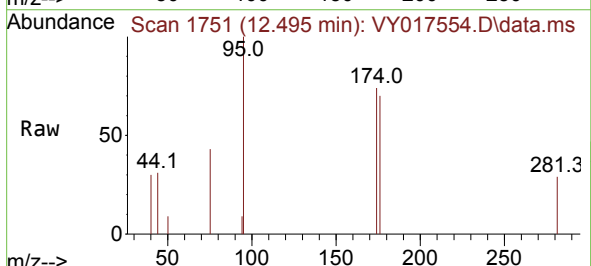
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

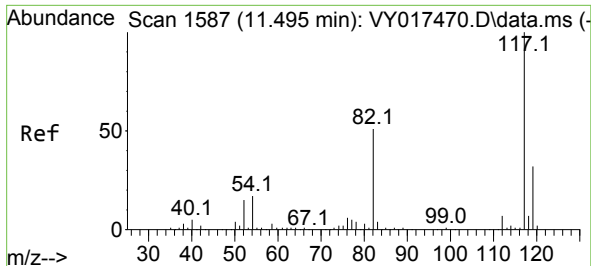
Tgt Ion: 98 Resp: 4665
Ion Ratio Lower Upper
98 100
100 61.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 27.175 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Tgt Ion: 95 Resp: 840
Ion Ratio Lower Upper
95 100
174 88.1 0.0 175.6
176 84.6 0.0 171.4

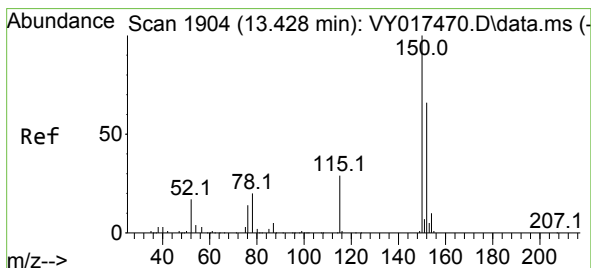
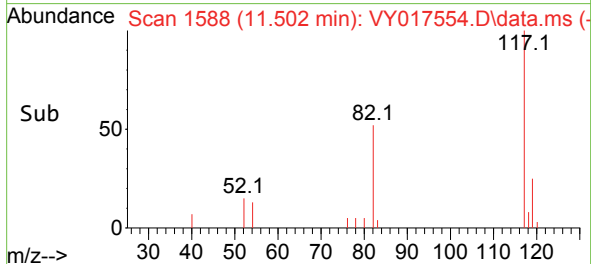
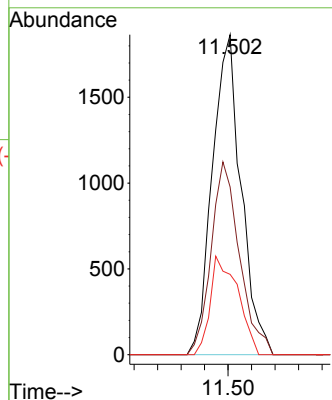
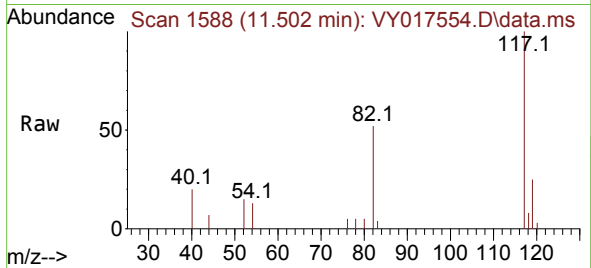




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

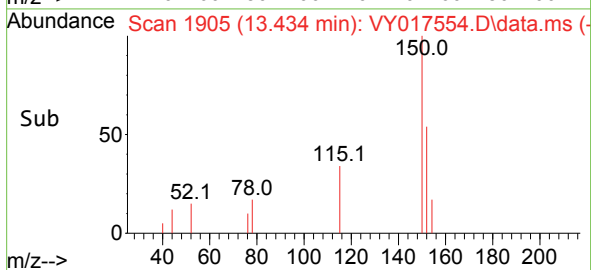
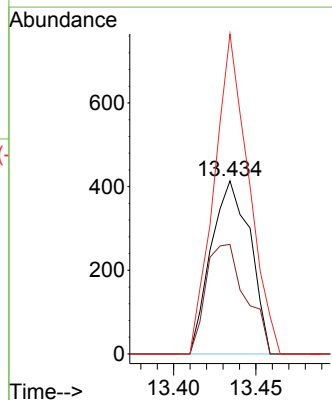
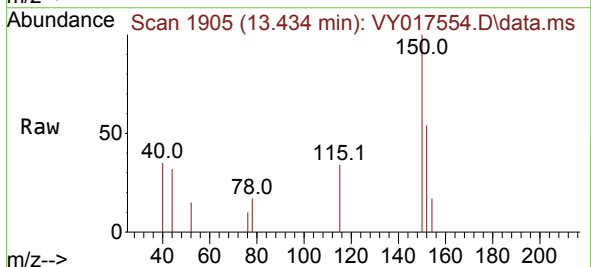
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

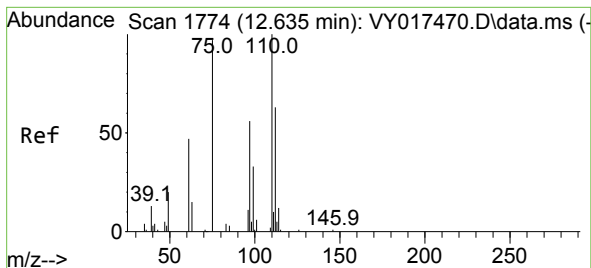
Tgt Ion:117 Resp: 3167
Ion Ratio Lower Upper
117 100
82 52.4 42.4 63.6
119 25.1 25.9 38.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Tgt Ion:152 Resp: 683
Ion Ratio Lower Upper
152 100
115 64.4 28.2 84.7
150 163.0 0.0 345.6

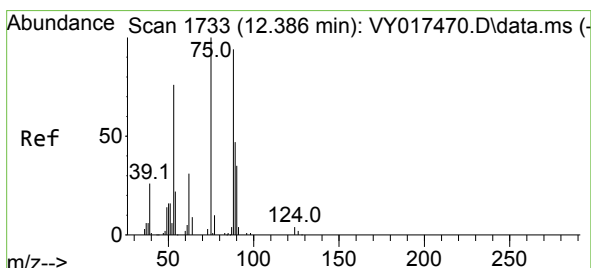
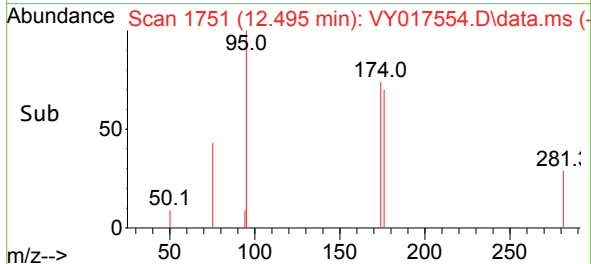
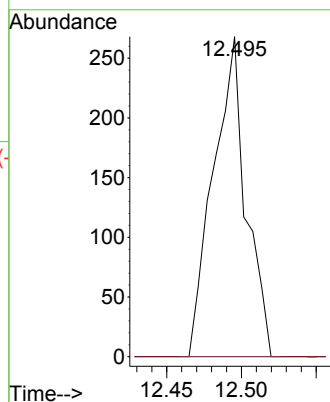
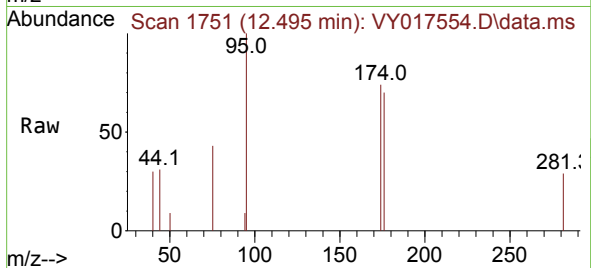




#76
1,2,3-Trichloropropane
Concen: 62.716 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.140 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Tgt Ion: 75 Resp: 407
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 144.108 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017554.D
Acq: 01 Mar 2024 16:37

Tgt Ion: 75 Resp: 407
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

